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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,810	02/08/2005	Yoshio Abe	265615US3PCT	1565

22850	7590	09/06/2007
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.		
1940 DUKE STREET		
ALEXANDRIA, VA 22314		

EXAMINER	
SEVER, ANDREW T	

ART UNIT	PAPER NUMBER
2851	

NOTIFICATION DATE	DELIVERY MODE
09/06/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com
oblonpat@oblon.com
jgardner@oblon.com

Office Action Summary	Application No. 10/523,810	Applicant(s) ABE, YOSHIO	
	Examiner Andrew T. Sever	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 January 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>2/2005, 4/2005, 7/2006</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/27/2007 has been entered.

Drawings

2. The drawings were received on 1/30/2007. These drawings are acceptable.

Claim Objections

3. Claim 5 is objected to because of the following informalities: in the third section the term "the slant surfaces" should be "slant surfaces". Appropriate correction is required.

The use of the article "the" before "slant surfaces" requires that "slant surfaces" has been introduced earlier in the claim, however in claim 5 slant surface is only used in the third section with the article "the". Appropriate correction is required.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moriguchi et al. (US 4,509,823 as cited in the previous office actions) in view of Ookawa et al. (US 2004/0075897.)

Moriguchi teaches in figure 1 a lenticular lens sheet manufactured by the method of roll printing (see column 10 lines 37-47 of Moriguchi), said lenticular lens comprises a plurality of lenticular lenses (figure 1 part 2 of Moriguchi, there are a plurality of identical unlabeled convex lenses situated next to convex lens 2) on a first surface of a translucent substrate (material that the part 1 of figure 1 of Moriguchi is made of), so that each lenticular lens has a longest dimension in a lenticular lens longitudinal direction (not shown in Moriguchi), and convex external light-absorbing sections disposed on a second surface of the translucent substrate at positions different from condensing positions in which light from the lenticular lenses is condensed (part 7 is light absorbing sections that is situated between the positions where light from the lenticular lenses 2 is condensed which is at 5 as indicated by the arrows A in figure 1, all of Moriguchi); and

Forming an external light-absorbing layer on the slant surfaces of the external light-absorbing sections (part 4 of Moriguchi is slanted and the light absorbing material layer 7 is formed thereon);

Wherein the external light-absorbing layer is formed by roll printing (see column 10 lines 37-47 of Moriguchi.)

Moriguchi does not teach that the roll printing is performed by rotating a printing roll in a forward direction with the lenticular lens longitudinal direction being parallel to the feeding direction.

Ookawa teaches in figure 10 a machine for manufacturing among other things lenticular lenses. As shown in figure 7 the roller used in manufacturing the lenses is designed so that when the roll printing is performed by rotating the printing roll in a forward direction and said roll printing using a feeding direction of the lenticular lens substrate being printed on that is parallel to the lenticular lens longitudinal direction on the lenticular lens substrate. Ookawa teaches in paragraph 20 that by using the manufacturing method of Ookawa a lenticular lens sheet can be produced that has no optical defects. Accordingly it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the method of Ookawa to manufacture the lenticular lens sheet of Moriguchi as it would result in a better lens sheet with no (or less) optical defects.

Response to Arguments

6. Applicant's arguments with respect to claim 5 have been considered but are moot in view of the new ground(s) of rejection.

First Applicant should note the change in examiner and the corresponding change in contact information below.

Second with regards to the PTO-1449's they have all been re-considered and appropriately annotated and signed with the present office action.

The objection to the drawings has been overcome by applicant's filling of replacement drawings on 1/30/2007.

With regards to the prior art rejection. It is believed that applicant's argument's have been overcome by replacing the Matsuda reference with the Ookawa reference which shows the roll for the roll printing having the lenticular lenses in the parallel to the feeding direction instead of perpendicular as was the case in Matsuda overcoming applicant's arguments rendering applicant's arguments moot.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US 6,276,269 to Bravenec teaches in figure 4 a lenticular lens manufacturing method.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew T. Sever whose telephone number is 571-272-2128. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diane Lee can be reached on (571) 272-2399. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2851

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AS



Andrew Seve